

FIG. 1

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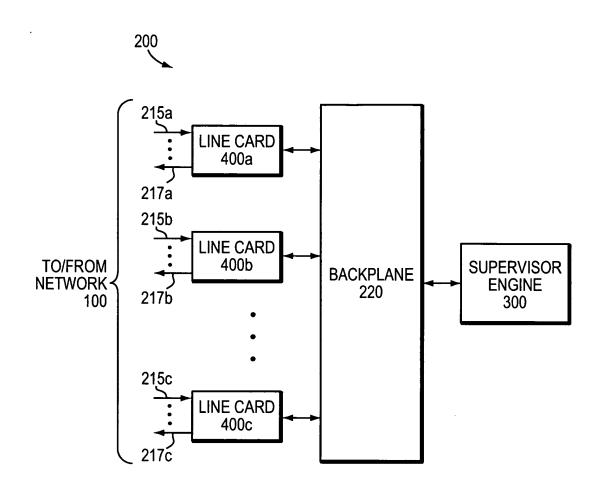


FIG. 2

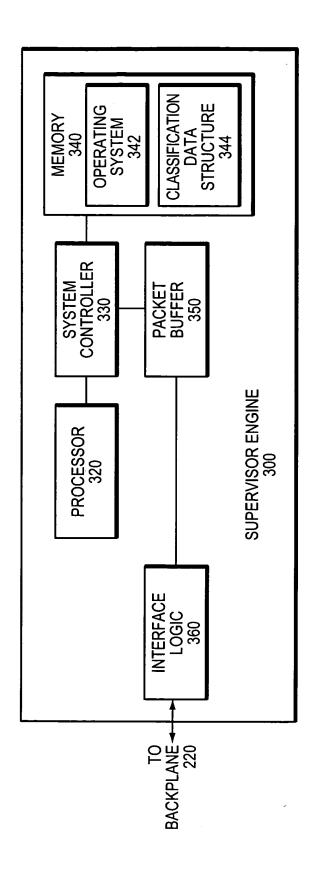


FIG. 3

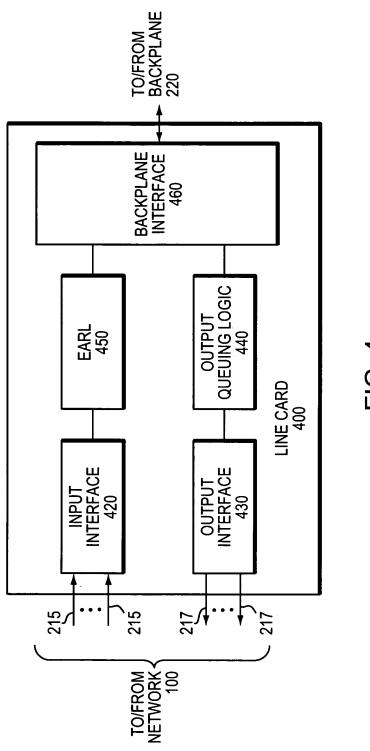


FIG. 4

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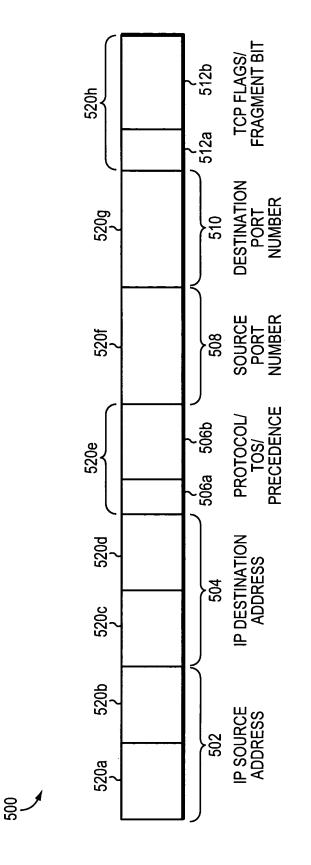
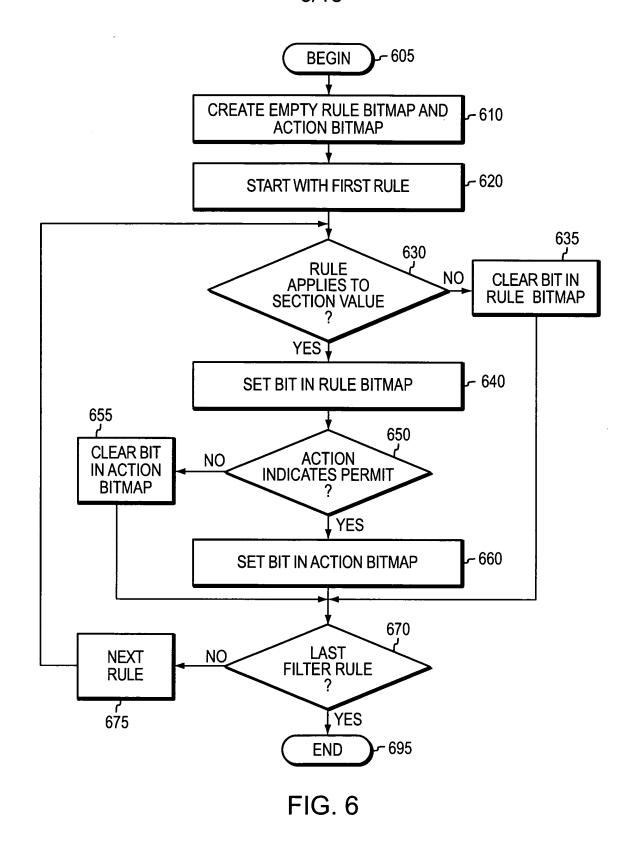


FIG. 5



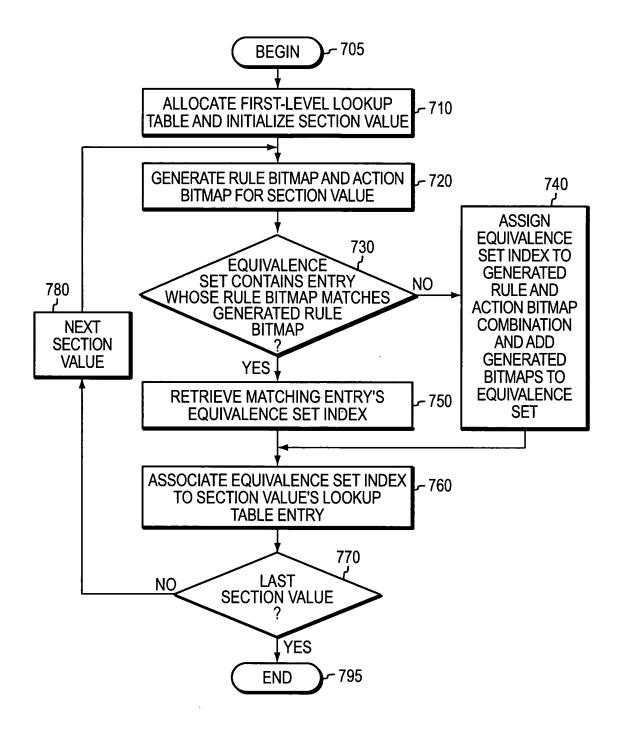


FIG. 7

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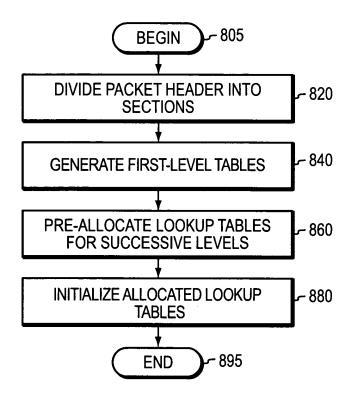


FIG. 8

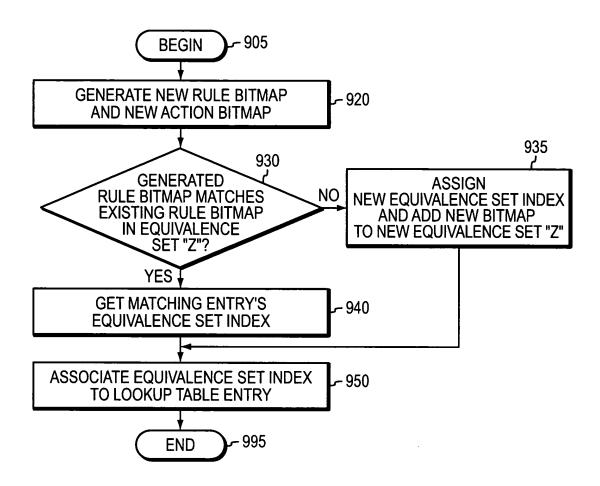


FIG. 9

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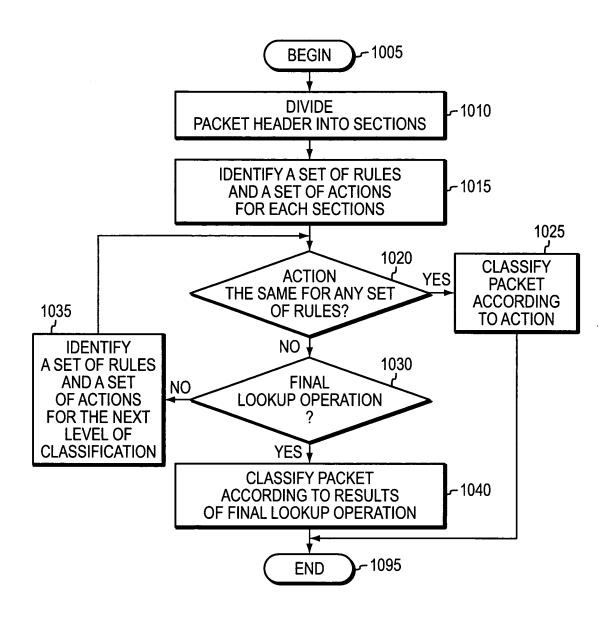


FIG. 10

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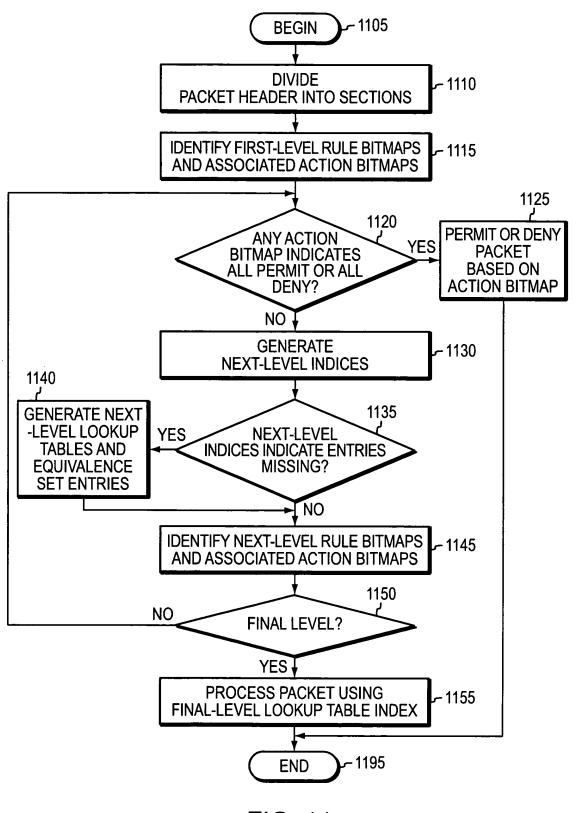


FIG. 11

```
UPPER 16 BITS
                                             LOWER 16 BITS
          OF IP SOURCE ADDRESS
                                         OF IP SOURCE ADDRESS
        FIRST-LEVEL LOOKUP TABLE
                                       FIRST-LEVEL LOOKUP TABLE
                   [0] = 1
                                                  [0] = 1
   1205
           1206a ----- [49251] = 1
                                           1208a ----- [255] = 1
                                                                  ≻1207
           1206b ----- [49252] = 2
                                           1208b ----- [256] = 2
           1206c - - - [49253] = 3
                                           1208c ----- [257] = 1
           1206d ----- [49254] = 1
                                                [65535] = 1
                 [65535] = 1
             UPPER 16 BITS
                                              LOWER 16 BITS
         OF IP SOURCE ADDRESS
                                          OF IP SOURCE ADDRESS
     FIRST-LEVEL EQUIVALENCE SET
                                       FIRST-LEVEL EQUIVALENCE SET
1215
            INDEX RULE
                                             INDEX RULE
                                                             ACTION
                                                                     ≻1225
                           ACTION
     1210a ---- 1
                  00011
                           00011
                                       1220a ---- 1
                                                   00011
                                                             00011
     1210b ---- 2
                  11011
                           10011
                                       1220b ---- 2
                                                    11111
                                                             10111
     1210c --- 3
                  00111
                           00111
        RULE CROSS-PRODUCT
                                      RULE ACTION CROSS-PRODUCT
                                                                   ACTION
     1236a -- [1,1] = 0 0 0 1 1 & 0 0 0 1 1
                                    00011
                                              00011&00011
                                                                   00011
     1236b — [1,2] = 0 0 0 1 1 & 1 1 1 1 1
                                    00011
                                              00011&10111
                                                                   00011
     1236c -- [2,1] = 1 1 0 1 1 & 0 0 0 1 1
                                    00011
                                              10011&00011
                                                                   00011
1235
     1236d - [2,2] = 11011&1111
                                     11011
                                              10011&10111
                                                                   10011
     1236e — [3,1] = 0 0 1 1 1 & 0 0 0 1 1
                                   V 00011
                                              00111&00011
                                                                 V 00011
     1236f - [3,2] = 00111811111
                                    00111
                                              00111&10111
                                                                   00111
    SECOND-LEVEL
                               SECOND-LEVEL EQUIVALENCE SET
    LOOKUP TABLE
   1270a - [1,1] = 0
                                                RULE
                                      INDEX
                                                        ACTION
   1270b --- [1,2] = 0
                               1280a ---- 0
                                               00011 00011
    1270c --- [2,1] = 0
                               1280b ---- 1
                                               11011 10011
                                                                  ≻1285
                    1275
   1270d - [2,2] = 1
                               1280c ---- 2
                                               00111 00111
   1270e - [3,1] = 0
    1270f --- [3,2] = 2
```

FIG. 12

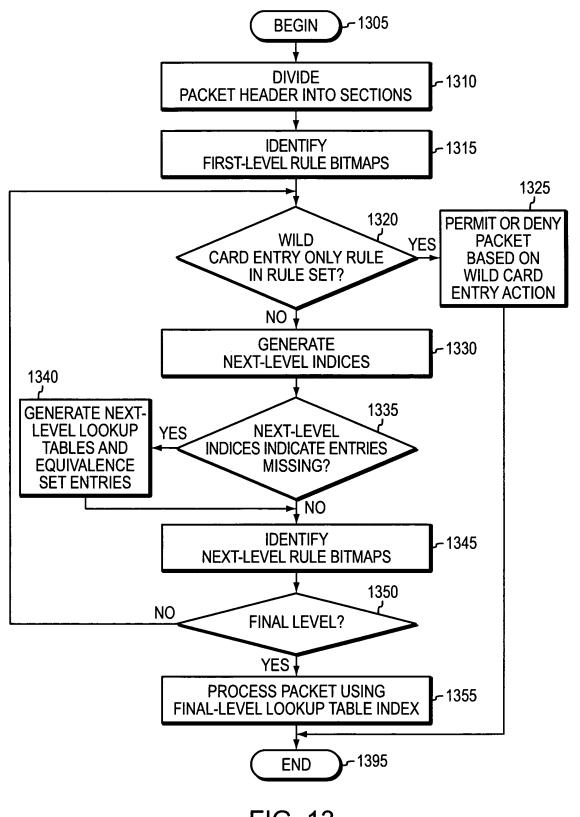


FIG. 13